

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Solano County Public Works Mellin Levee**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Solano County Public Works Mellin Levee

Waterway			Bank	Unit Miles
Unit No. 01 Mellin Levee			Right	0.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/27/2013 - 03/27/2013			
DWR Inspector	Richard Willoughby			
Accompanied By	Thomas Pate Solano County Water Agency			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Solano County Public Works Mellin Levee

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee							Right	0.59	03/27/2013 03/27/2013	Richard Willoughby
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00		Operations & Maintenance Manuals	WS	A Ma		° °	° °	6
DWR ID: DWR_NA0012_01_s_2013_6										
2	0.00	0.00		Emergency Supplies & Equipment	WS	A Ma		° °	° °	7
DWR ID: DWR_NA0012_01_s_2013_7										
3	0.00	0.00		Flood Preparedness & Training	WS	M Ma		° °	° °	9
DWR ID: DWR_NA0012_01_s_2013_9										
4	0.00	0.00		Vegetation	WSA/W Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Bamboo on waterside slope. District planning to spray bamboo in late October. District has removed bambao from waterside slope at the entrance to the levee.	38.174051 ° -121.674220 °	38.174051 ° -121.674221 °	1 Y	
DWR ID: DWR_NA0012_01_s_2012_1										
5	0.00	0.59		Vegetation	WS Ma	M V1 : Control annual grass and weeds on the levee slopes and easements.	38.174073 ° -121.674300 °	38.180045 ° -121.681970 °	11	
DWR ID: DWR_NA0012_01_s_2013_11										
6	0.00	0.59		Vegetation	LS Ma	M V1 : Control annual grass and weeds on the levee slopes and easements.	38.174072 ° -121.674300 °	38.180045 ° -121.681972 °	10	
DWR ID: DWR_NA0012_01_s_2013_10										
7	0.00	0.59		Encroachments	WS En	M FE : Fence	38.174167 ° -121.674312 °	38.178960 ° -121.680600 °	3 Y	
DWR ID: DWR_NA0012_01_s_2012_3										
8	0.04	0.04		Encroachments	LS En	M AV : Abandoned vehicles	38.174470 ° -121.674730 °	38.174470 ° -121.674730 °	8 Y	
DWR ID: DWR_NA0012_01_s_2012_8										
9	0.10	0.28		Encroachments	LS En	M FE : Fence	38.175115 ° -121.675463 °	38.176805 ° -121.677893 °	4	
DWR ID: DWR_NA0012_01_s_2012_4										
10	0.15	0.59		Crown Surface / Depressions / Rutting	CR Ma	M C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	38.175618 ° -121.676190 °	38.178960 ° -121.680600 °	2 Y	
DWR ID: DWR_NA0012_01_s_2012_2										
11	0.59	0.59		Encroachments	WS En	M FE : Fence Inspector Comments: Animal corral.	38.180012 ° -121.681943 °	38.180012 ° -121.681943 °	5 Y	
DWR ID: DWR_NA0012_01_s_2012_5										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Spring 2013

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	03/27/2013 03/27/2013	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	
Item	Vegetation
Looking west at bamboo on waterside slope.	
richard_s_20130304_160.JPG	



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	
Item	Vegetation
Looking west after district removed bamboo on waterside slope at the entrance of the project.	
richard_s_20130402_025.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.59
Location	Water Side
Category	
Item	Encroachments
Looking west at fence on waterside shoulder.	
richard_s_20130304_161.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	03/27/2013 03/27/2013	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	
Item	Encroachments
Looking south at crushed vehicles at landside toe.(Spring 2012)	
richard_s_20130304_162.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	
Item	Encroachments
Looking west at crushed vehicles and trailers on landside toe.	
richard_s_20130402_026.JPG	



Levee Mile Report Line	10
Start Levee Mile	0.15
End Levee Mile	0.59
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
Looking west at crown roadway.	
richard_s_20130402_027.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2013

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	03/27/2013 03/27/2013	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	
Item	Encroachments

Looking west at animal corral on waterside toe.

richard_s_20130402_028.JPG



Levee Mile Report Line	11
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	
Item	Encroachments

Looking east at animal corral on waterside toe.

richard_s_20130402_029.JPG



*** Location**

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CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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